PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

FOR FURTHER ACTION		n of Transmittal of International			
	·	amination Report (Form PCT/IPEA/416)			
International filing date (day/mor	nin/year)	Priority date (day/month/year)			
27 April 2004 (27.04.2004)		29 April 2003 (29.04.2003)			
or national classification and IPC					
21/04 and US Cl.: 435/6, 91.1, 91.2;	; 536/23/1, 24.3				
TION					
is transmitted to the applicant ac	ccording to Arti	cle 36.			
a total of sheets, including t	this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
a total of sheets.					
ations relating to the following i	tems:				
oort					
		·			
III Non-establishment of report with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of invention					
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement					
VI Certain documents cited					
mons on the international appro-	reprosit				
		CAL			
Date	e of completion	or this report			
20 Ju	aly 2005 (20.07.2	005)			
US Auth	orized officer	(/allres/sell-)			
Jeha	nne S. Sitton	JEHANNE SITTON PRIMARY EXAMINER			
ı					
	27 April 2004 (27.04.2004) or national classification and IPC 21/04 and US Cl.: 435/6, 91.1, 91.2 PION PARTY examination report has been is transmitted to the applicant and a total of	International filing date (day/month/year) 27 April 2004 (27.04.2004) or national classification and IPC 21/04 and US Cl.: 435/6, 91.1, 91.2; 536/23/1, 24.3 FION Preliminary Ex Preliminary Ex 27 April 2004 (27.04.2004) Or national classification and IPC 21/04 and US Cl.: 435/6, 91.1, 91.2; 536/23/1, 24.3 FION Preliminary Ex 27 April 2004 (27.04.2004) Or national classification and IPC Preliminary Ex Preliminary			

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US04/12882	

I.	Basi	s of the report				
1. With regard to the elements of the international application:*						
	\boxtimes	the international application as originally filed.				
	\boxtimes	the description:				
		pages 1-21 as originally filed				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
	\square	the claims:				
		pages 22-26 as originally filed				
		pages NONE , as amended (together with any statement) under Article 19				
		pages NONE, filed with the demand pages NONE, filed with the letter of				
		the drawings: pages 1-3 , as originally filed				
		pages NONE , filed with the demand				
		pages NONE , filed with the letter of				
	\boxtimes	the sequence listing part of the description:				
		pages 1-176 , as originally filed				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
2.		regard to the language, all the elements marked above were available or furnished to this Authority in the				
		uage in which the international application was filed, unless otherwise indicated under this item.				
	Thes	e elements were available or furnished to this Authority in the following language which is:				
	H	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
	\vdash	the language of publication of the international application (under Rule 48.3(b)).				
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).				
3.		regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:				
	\boxtimes	contained in the international application in printed form.				
	\boxtimes	filed together with the international application in computer readable form.				
		furnished subsequently to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.				
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished				
4.	\boxtimes	The amendments have resulted in the cancellation of:				
		the description, pages none				
		the claims, Nos. none				
		the drawings, sheets/fig none				
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.						

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US04/12882

V. Reasoned statement under Rule 66.2(a)(ii) with regard	to novelty, inventive step or industrial applicability
citations and explanations supporting such statement	

1. STATEMENT		
Novelty (N)	Claims 6-12, 17, 18, 21-30	YES
	Claims 1-5, 13-16, 19, 20	NO
Inventive Step (IS)	Claims NONE	YES
	Claims 1-30	NO
Industrial Applicability (IA)	Claims 1-30	YES
, (-)	Claims NONE	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-5, 13-16, 19, and 20 lack novelty under PCT Article 33(2) as being anticipated by Genbank Accession Number U21676. Genbank Accession Number U21676 teaches the sequence of SEQ ID NO: 1. The complement of this sequence would hybridize to SEQ ID NO: 1 and SEQ ID NO: 2. This sequence is considered 'derived' from SEQ ID NO 1. This sequence comprises the sequences of each of SEQ ID NOS 6-9. This sequence comprises the sequences of the prgH, prgI, prgI, and prgK genes of Salmonella.

Claims 6-12, 17, 18, and 21-20 lack an inventive step under PCT Article 33(3) as being obvious over Genbank Accession Number U21676 in view of Daum et al.

Genbank Accession Number U21676 teaches the sequence of SEQ ID NO: 1. The complement of this sequence would hybridize to SEQ ID NO: 1 and SEQ ID NO: 2. This sequence is considered 'derived' from SEQ ID NO 1. This sequence comprises the sequences of each of SEQ ID NOS 6-9. This sequence comprises the sequences of the prgH, prgI, prgI, and prgK genes of Salmonella. Genbank Accession number does not teach primers for the prg gene of Salmonella, fluorescently labeled probes, a method of detecting Salmonella, or a kit comprising a primer and a probe for the prg gene of Salmonella. However Daum et al teaches a method of detecting Salmonella by using PCR primers and fluorescently labeled probes directed to the invA gene of Salmonella (see page 3050, col. 1) in a real time PCR assay (see page 3051, col. 1), for the purpose of detecting Salmonella. Therefore, it would have been obvious to one of ordinary skill in the art to construct primers and fluorescently labeled probes directed to the prg gene as set forth in Genbank Accession Number U21676 for the purpose of detecting Salmonella because Daum et al teach that primers and probes directed to genes from Salmonella can be used to detect Salmonella. It would have also been obvious to the ordinary artisan to package such primers and probes in a kit to make the method of detecting Salmonella as taught by Genbank Accession Number U21676 in view of Daum et al more convenient to perform.

none